IPD Project Details

Project ID: IPD1063

Project Title: Identifying alterations post ILK inhibition in Meningioma cell lines

Description: The current study reports alterations in PI3-Akt and Focal adhesion pathway post ILK inhibition in meningioma cell lines. The inhibition is done using a pyrazole that specifically inhibits Integrin Link Kinase. The global proteomic profile was analysed post treatment (24 hours) in treated vs untreated cell line replicates.

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Sample Preparation: Sample preparation was done using the Urea Lysis buffer. The cells were treated with the inhibitor for 24 hrs. and control and treated cell lines were pelleted down and washed in 1X PBS buffer post that the cells were lysed in lysis buffer.

Peptide Separation: Global proteomic alterations were examined using LFQ proteomic analysis.

Protein Characterization: Data as procured from the mass spectrometer was used for analysis using Proteome Discoverer 2.2. The three control and treated triplicates were analysed simultaneously using a combined workflow. The FDR was kept at 1 %. Database against which it was searched is Human database from SEQUEST and MASSCOT.

Experiment Type: Shotgun proteomics

Species: Data in species_details No Data

Tissue: Data in tissue_details No Data

Cell Type: Data in cell_details No Data

Disease: Data in disease_details No Data

Instrument Details: Data in instrument_details Data in instrument_details

Protein Modifications: iodoacetamide derivatized residue

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